

GENERAL INFORMATION

FLUTED PLASTIC ANCHOR

Plastic Wall Anchor

PRODUCT DESCRIPTION

The Fluted Plastic Anchor is designed for light duty fastening applications in concrete, block, brick or stone. The body of the Fluted Plastic anchor is injection molded from a ductile plastic and is designed to be used with sheet metal or wood screws.

The load capacities for this product depend on the integrity of the base material in which it is installed. These fasteners are not recommended for use overhead or applications where holding values are critical.

FEATURES AND BENEFITS

- + Works in a variety of base materials
- + Anchor body is resistant to corrosion from moisture

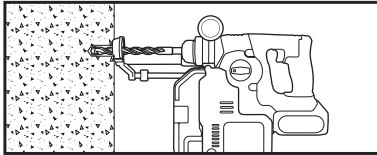
MATERIAL SPECIFICATIONS

Anchor Component	Component Material
Anchor Body	Engineered Plastic

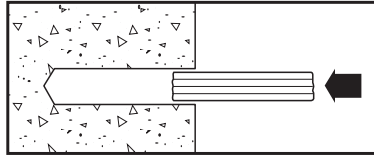
INSTALLATION SPECIFICATIONS

Dimension	Screw Size		
	#4 - #6	#10 - #12	#14
ANSI Drill Bit Size (in.)	3/16	1/4	5/16
Screw Size Range (in.)	#4 - #6	#10 - #12	#14

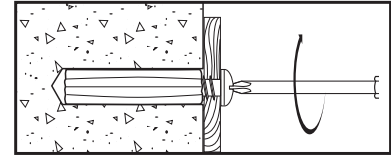
INSTALLATION GUIDELINES



Drill a hole into the base material to the depth of embedment required. The tolerances of the drill bit used should meet the requirements of ANSI Standard B212.15.



Remove dust and debris from the hole during drilling (e.g. dust extractor) or following drilling (e.g. suction, forced air) to extract loose particles created by drilling. Tap the anchor into the hole until it is flush with the surface of the base material.



Position the fixture, then insert the proper size screw through the fixture into the top of the anchor and tighten. Be sure screw thread fully engages the anchor body.

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FLUTED PLASTIC ANCHOR

ANCHOR MATERIALS

- Engineered Plastic

ANCHOR SIZE RANGE (TYP.)

- No. 4-6 screw x 1" length to No. 14 screw x 1-1/2" length

SUITABLE BASE MATERIALS

- Normal-Weight Concrete

PERFORMANCE DATA

Ultimate Load Capacities for Fluted Plastic Anchor in Normal-Weight Concrete^{1,2,3}

Screw Size Range No.	Minimum Embedment Depth in. (mm)	Minimum Concrete Compressive Minimum Strength (f'c)					
		2,000 psi (13.8 MPa)		4,000 psi (27.6 MPa)		6,000 psi (41.4 MPa)	
		Tension lbs. (kN)	Shear lbs. (kN)	Tension lbs. (kN)	Shear lbs. (kN)	Tension lbs. (kN)	Shear lbs. (kN)
#6 - #8	3/4 (19.1)	120 (0.5)	200 (0.9)	140 (0.6)	215 (1.0)	160 (0.7)	215 (1.0)
#10 - #12	1 (25.4)	440 (2.0)	280 (1.3)	490 (2.2)	350 (1.6)	540 (2.4)	350 (1.6)
#10 - #12	1-1/4 (31.9)	490 (2.2)	280 (1.3)	540 (2.4)	350 (1.6)	590 (2.7)	350 (1.6)
#10 - #12	1-1/2 (38.1)	520 (2.3)	280 (1.3)	610 (2.7)	350 (1.6)	680 (3.1)	350 (1.6)
#14	1-1/2 (38.1)	540 (2.4)	530 (2.4)	615 (2.8)	575 (2.6)	690 (3.1)	575 (2.6)

1. Ultimate load capacities are provided for reference and must be reduced by a minimum safety factor of 4.0 or greater to determine allowable working loads.
2. Linear interpolation may be used to determine ultimate loads for intermediate compressive strengths.
3. These fasteners are not recommended for use overhead or applications where holding values are critical.

Allowable Load Capacities for Fluted Plastic Anchor in Normal-Weight Concrete^{1,2,3}

Screw Size Range No.	Minimum Embedment Depth in. (mm)	Minimum Concrete Compressive Minimum Strength (f'c)					
		2,000 psi (13.8 MPa)		4,000 psi (27.6 MPa)		6,000 psi (41.4 MPa)	
		Tension lbs. (kN)	Shear lbs. (kN)	Tension lbs. (kN)	Shear lbs. (kN)	Tension lbs. (kN)	Shear lbs. (kN)
#6 - #8	3/4 (19.1)	30 (0.1)	60 (0.3)	35 (0.2)	55 (0.2)	40 (0.2)	55 (0.2)
#10 - #12	1 (25.4)	110 (0.5)	70 (0.3)	125 (0.6)	90 (0.4)	135 (0.6)	90 (0.4)
#10 - #12	1-1/4 (31.9)	125 (0.6)	70 (0.3)	135 (0.6)	90 (0.4)	150 (0.7)	90 (0.4)
#10 - #12	1-1/2 (38.1)	130 (0.6)	70 (0.3)	155 (0.7)	90 (0.4)	170 (0.8)	90 (0.4)
#14	1-1/2 (38.1)	135 (0.6)	135 (0.6)	155 (0.7)	145 (0.7)	175 (0.8)	145 (0.7)

1. Allowable load capacities listed are calculated using an applied safety factor of 4.0.
2. Linear interpolation may be used to determine allowable loads for intermediate compressive strengths.
3. These fasteners are not recommended for use overhead or applications where holding values are critical.

ORDERING INFORMATION

Fluted Plastic Anchor (Not packaged with screws)

Cat. No.	Anchor Size	Color	Drill Diameter	Standard Box	Standard Carton
7500	#4-#6 x 1"	White	3/16"	100	1,000
7510	#10-#12 x 1"	Green	1/4"	100	1,000
7515	#10-#12 x 1-1/4"	Green	1/4"	100	1,000
7520	#10-#12 x 1-1/2"	Green	1/4"	100	1,000
7530	#14 x 1-1/2"	Blue	5/16"	100	1,000



WALL ANCHORS

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